

Page 128, line 18, after “monomer,” insert --(SEQ ID NO: 2115)--.

Page 131, line 5, after “#426 (D8)” insert --(SEQ ID NO: 2613)--;  
line 8, after “#429 (D8-6-D8)” insert --(SEQ ID NO: 2614)--;  
line 12, after “#459 (short flag RB6)” insert --(SEQ ID NO: 2615)--;  
line 15, after “#430 (H2C-4-RB6)” insert --(SEQ ID NO: 2616)--;  
line 19, after “#464 (H2C)” insert --(SEQ ID NO: 2617)--;  
line 22, after “#446 (F8)” insert --(SEQ ID NO: 2618)--;  
line 25, after “#431 (H2C-6-F8)” insert --(SEQ ID NO: 2619)--;  
line 29, after “#433 (H2C-9-F8)” insert --(SEQ ID NO: 2620)--;  
line 33, after “#432 (H2C-12-F8)” insert --(SEQ ID NO: 2621)--;  
line 37, after “#452 (G3)” insert --(SEQ ID NO: 2622)--;  
line 40, after “#427 (G3-6-G3)” insert --(SEQ ID NO: 2623)--.

Page 132, line 1, after “#428 (G3-12-G3)” insert --(SEQ ID NO: 2624)--;  
line 6, after “#434 (G3-12-G3)” insert --(SEQ ID NO: 2625)--;  
line 10, after “#437 (H2C)” insert --(SEQ ID NO: 2626)--;  
line 14, after “#463 (H2C-3-H2C)” insert --(SEQ ID NO: 2627)--;  
line 18, after “#435 (H2C-3-H2C-H2C)” insert --(SEQ ID NO: 2628)--;  
line 22, after “#439 (H2C-6-H2C)” insert --(SEQ ID NO: 2629)--;  
line 26, after “#436 (H2C-9-H2C)” insert --(SEQ ID NO: 2630)--;  
line 30, after “#449 (H2C-12-H2C)” insert --(SEQ ID NO: 2631)--;  
line 34, after “MBP\*” insert --(SEQ ID NO: 2632)--.

Page 134, line 20, after “20E2” insert --(SEQ ID NO: 2116)--.

Page 138, line 4, after “20E2” insert --(SEQ ID NO: 2116)--.

### IN THE CLAIMS

Claim 8, line 2, after “comprising” insert --(SEQ ID NO: 2411)--.

Claim 9, line 2, after “comprising” insert --(SEQ ID NO: 2412)--.

Claim 10, line 1, after “sequence” insert --(SEQ ID NO: 2633)--;  
line 3, after “comprising” insert --(SEQ ID NO: 2634)--.

Claim 11, line 1, after “is” insert --(SEQ ID NO: 2635)--.

Claim 18, line 3, after “is” insert --(SEQ ID NO: 2636)--.

Claim 20, line 2, after “of” insert --(SEQ ID NOS 2115, 2111, 2163 & 1870, respectively, in order of appearance)--.

Claim 21, line 3, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2447)--;  
line 4, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2448)--;  
line 5, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2449)--;  
line 6, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2450)--;  
line 7, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2451)--;  
line 8, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2452)--;  
line 9, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2453)--;  
line 10, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2454)--;  
line 11, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2455)--;  
line 12, after the sequence ending in “vskk” insert --(SEQ ID NO: 2456)--;  
line 13, after the sequence ending in “VSEE” insert --(SEQ ID NO: 2457)--;  
line 14, after the sequence ending in “VSKK” insert --(SEQ ID NO: 2458)--;  
line 15, after the sequence ending in “SLAK” insert --(SEQ ID NO: 2459)--;  
line 16, after the sequence ending in “ELLS” insert --(SEQ ID NO: 2460)--;  
line 17, after the sequence ending in “LAKK” insert --(SEQ ID NO: 2461)--;  
line 18, after the sequence ending in “SLLK” insert --(SEQ ID NO: 2462)--;  
line 19, after the sequence ending in “LSSK” insert --(SEQ ID NO: 2463)--;  
line 20, after the sequence ending in “KLLK” insert --(SEQ ID NO: 2464)--;  
line 21, after the sequence ending in “KLFK” insert --(SEQ ID NO: 2465)--;  
line 22, after the sequence ending in “LIKK” insert --(SEQ ID NO: 2466)--;  
line 23, after the sequence ending in “LLKK” insert --(SEQ ID NO: 2467)--;

line 24, after the sequence ending in "ILLK" insert --(SEQ ID NO: 2468)--;  
 line 25, after the sequence ending in "QGLD" insert --(SEQ ID NO: 2469)--;  
 line 26, after the sequence ending in "(D117)" insert --(SEQ ID NO: 2470)--;  
 line 27, after the sequence ending in "MLLS" insert --(SEQ ID NO: 2471)--;  
 line 28, after the sequence ending in "-NH<sub>2</sub>" insert --(SEQ ID NO: 2472)--;  
 line 29, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2473)--;  
 line 30, after the sequence ending in "(D117)" insert --(SEQ ID NO: 2474)--;  
 line 31, after the sequence ending in "(D117)" insert --(SEQ ID NO: 2475)--;  
 line 32, after the sequence ending in "(b-Ala-D117)" insert --(SEQ ID NO: 2476)--;  
 line 33, after the sequence ending in "(Gly-D117)" insert --(SEQ ID NO: 2477)--;  
 line 34, after the sequence ending in "(b-Ala-D117)" insert --(SEQ ID NO: 2478)--;  
 line 35, after the sequence ending in "(D117)" insert --(SEQ ID NO: 2479)--;  
 line 36, after the sequence ending in "(D117)" insert --(SEQ ID NO: 2480)--;  
 line 37, after the sequence ending in "(b-Ala-D117)" insert --(SEQ ID NO: 2481)--;  
 line 38, after the sequence ending in "(b-ala-D117)" insert --(SEQ ID NO: 2482)--;  
 line 39, after the sequence ending in "-D117)<sub>2</sub>" insert --(SEQ ID NO: 2483)--;  
 line 40, after the sequence ending in "RQVS" insert --(SEQ ID NO: 2484)--;  
 line 41, after the sequence ending in "QVSK" insert --(SEQ ID NO: 2485)--;  
 line 42, after the sequence ending in "QVSK" insert --(SEQ ID NO: 2486)--;  
 line 43, after the sequence ending in "VVSK" insert --(SEQ ID NO: 2487)--;  
 line 44, after the sequence ending in "FVSK" insert --(SEQ ID NO: 2488)--;  
 line 45, after the sequence ending in "WVVK" insert --(SEQ ID NO: 2489)--;  
 line 46, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2490)--;  
 line 47, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2491)--;  
 line 48, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2160)--;  
 line 49, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2492)--;  
 line 50, after the sequence ending in "(D117)<sub>2</sub>-12" insert --(SEQ ID NO: 2493)--;  
 line 51, after the sequence ending in "-D117)<sub>2</sub>" insert --(SEQ ID NO: 2494)--;  
 line 52, after the sequence ending in "-D117" insert --(SEQ ID NO: 2495)--;  
 line 53, after the sequence ending in "(D117)<sub>2</sub>-14" insert --(SEQ ID NO: 2496)--;  
 line 54, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2461)--;  
 line 55, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2462)--;  
 line 56, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2463)--;

line 57, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2464)--;  
line 58, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2465)--;  
line 59, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2466)--;  
line 60, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2467)--;  
line 61, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2497)--;  
line 62, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2498)--;  
line 63, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2499)--;  
line 64, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2500)--;  
line 65, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2501)--;  
line 66, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2502)--;  
line 67, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2503)--;  
line 68, after the sequence ending in "Lig" insert --(SEQ ID NO: 2504)--;  
line 69, after the sequence ending in "WNCG" insert --(SEQ ID NO: 2505)--;  
line 70, after the sequence ending in "Lig" insert --(SEQ ID NO: 2506)--;  
line 71, after the sequence ending in "Lig" insert --(SEQ ID NO: 2507)--;  
line 72, after the sequence ending in "ELLS" insert --(SEQ ID NO: 2508)--;  
line 73, after the sequence ending in "Lig" insert --(SEQ ID NO: 2509)--;  
line 74, after the sequence ending in "Lig" insert --(SEQ ID NO: 2510)--;  
line 75, after the sequence ending in "Lig" insert --(SEQ ID NO: 2511)--;  
line 76, after the sequence ending in "Lig" insert --(SEQ ID NO: 2512)--;  
line 77, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2513)--;  
line 78, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2514)--;  
line 79, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2515)--;  
line 80, after the sequence ending in "-Lig)<sub>2</sub>-14" insert --(SEQ ID NO: 2516)--;  
line 81, after the sequence ending in "-Lig)<sub>2</sub>-14" insert --(SEQ ID NO: 2517)--;  
line 82, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2518)--;  
line 83, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2519)--;  
line 84, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2520)--;  
line 85, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2521)--;  
line 86, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2522)--;  
line 87, after the sequence ending in "YGTG" insert --(SEQ ID NO: 2523)--;  
line 88, after the sequence ending in "QCSG" insert --(SEQ ID NO: 2524)--;  
line 89, after the sequence ending in "ECPS" insert --(SEQ ID NO: 2525)--;

line 90, after the sequence ending in "D117" insert --(SEQ ID NO: 2526)--;  
 line 91, after the sequence ending in "D117)<sub>2</sub>" insert --(SEQ ID NO: 2527)--;  
 line 92, after the sequence ending in "(S212)" insert --(SEQ ID NO: 2528)--;  
 line 93, after the sequence ending in "(S212)" insert --(SEQ ID NO: 2529)--;  
 line 94, after the sequence ending in "-14" insert --(SEQ ID NO: 2530)--;  
 line 95, after the sequence ending in "-14" insert --(SEQ ID NO: 2531)--;  
 line 96, after the sequence ending in "(S210)" insert --(SEQ ID NO: 2532)--;  
 line 97, after the sequence ending in "AELG" insert --(SEQ ID NO: 2533)--;  
 line 98, after the sequence ending in "AELG" insert --(SEQ ID NO: 2534)--;  
 line 99, after the sequence ending in "AELG" insert --(SEQ ID NO: 2535 )--;  
 line 100, after the sequence ending in "AELG" insert --(SEQ ID NO: 2536)--;  
 line 101, after the sequence ending in "AELG" insert --(SEQ ID NO: 2537)--;  
 line 102, after the sequence ending in "AELG" insert --(SEQ ID NO: 2538)--;  
 line 103, after the sequence ending in "AELG" insert --(SEQ ID NO: 2539)--;  
 line 104, after the sequence ending in "AELG" insert --(SEQ ID NO: 2540)--;  
 line 105, after the sequence ending in "AELG" insert --(SEQ ID NO: 2541)--;  
 line 106, after the sequence ending in "AELG" insert --(SEQ ID NO: 2542)--;  
 line 107, after the sequence ending in "Lig" insert --(SEQ ID NO: 2543)--;  
 line 108, after the sequence ending in "AELG" insert --(SEQ ID NO: 2544)--;  
 line 109, after the sequence ending in "(S131)" insert --(SEQ ID NO: 2545)--;  
 line 110, after the sequence ending in "(S209)" insert --(SEQ ID NO: 2546)--;  
 line 111, after the sequence ending in "VAEL" insert --(SEQ ID NO: 2547)--;  
 line 112, after the sequence ending in "FVAE" insert --(SEQ ID NO: 2548)--;  
 line 113, after the sequence ending in "WFVA" insert --(SEQ ID NO: 2549)--;  
 line 114, after the sequence ending in "DWFV" insert --(SEQ ID NO: 2550)--;  
 line 115, after the sequence ending in "Lig)<sub>2</sub>" insert --(SEQ ID NO: 2551)--;  
 line 116 , after the sequence ending in "-14" insert --(SEQ ID NO: 2552)--;  
 line 117, after the sequence ending in "AELG)" insert --(SEQ ID NO: 2553)--;  
 line 118, after the sequence ending in "-14" insert --(SEQ ID NO: 2554)--;  
 line 119, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2555)--;  
 line 120, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2172)--;  
 line 121, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2173)--;  
 line 122, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2174)--;

line 123, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2556)--;  
line 124, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2557)--;  
line 125, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2558)--;  
line 126, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2559)--;  
line 127, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2171)--;  
line 128, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2560)--;  
line 129, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2561)--;  
line 130, after the sequence ending in "NCG)<sub>2</sub>" insert --(SEQ ID NO: 2562)--;  
line 131, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2563)--;  
line 132, after the sequence ending in "S209" insert --(SEQ ID NO: 2564)--;  
line 133, after the sequence ending in "S210" insert --(SEQ ID NO: 2565)--;  
line 134, after the sequence ending in "S210" insert --(SEQ ID NO: 2566)--;  
line 135, after the sequence ending in "204" insert --(SEQ ID NO: 2567)--;  
line 136, after the sequence ending in "S204" insert --(SEQ ID NO: 2568 )--;  
line 137, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 246)--;  
line 138, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2569)--;  
line 139, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2570)--;  
line 140, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2571)--;  
line 141, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2572)--;  
line 142, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2573)--;  
line 143, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2574)--;  
line 144, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2575)--;  
line 145, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2576)--;  
line 146, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2577)--;  
line 147, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2578)--;  
line 148, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2579)--;  
line 149, after the sequence ending in "-7" insert --(SEQ ID NO: 2580)--;  
line 150, after the sequence ending in "-9" insert --(SEQ ID NO: 2581)--;  
line 151, after the sequence ending in "-12" insert --(SEQ ID NO: 2582)--;  
line 152, after the sequence ending in "-13" insert --(SEQ ID NO: 2583)--;  
line 153, after the sequence ending in "Lig" insert --(SEQ ID NO: 2584)--;  
line 154, after the sequence ending in "VAEL" insert --(SEQ ID NO: 2585)--;  
line 155, after the sequence ending in "-9" insert --(SEQ ID NO: 2586)--;

line 156, after the sequence ending in “-9” insert --(SEQ ID NO: 2587)--;  
line 157, after the sequence ending in “KKKK” insert --(SEQ ID NO: 2588)--;  
line 158, after the sequence ending in “Lig” insert --(SEQ ID NO: 2589)--;  
line 159, after the sequence ending in “-14” insert --(SEQ ID NO: 2590)--;  
line 160, after the sequence ending in “-14” insert --(SEQ ID NO: 2591)--;  
line 161, after the sequence ending in “E-L-L-S” insert --(SEQ ID NO: 2592)--;  
line 162, after the sequence ending in “-Aib” insert --(SEQ ID NO: 2593)--;  
line 163, after the sequence ending in “-Aib” insert --(SEQ ID NO: 2594)--;  
line 164, after the sequence ending in “-Aib” insert --(SEQ ID NO: 2595)--;  
line 165, after the sequence ending in “NH<sub>2</sub>” insert --(SEQ ID NO: 2596)--.

Claim 32, line 2, after “comprising” insert --(SEQ ID NO: 2411)--.

Claim 33, line 2, after “comprising” insert --(SEQ ID NO: 2412)--.

Claim 34, line 2, after “sequence” insert --(SEQ ID NO: 2633)--;  
line 3, after “comprising” insert --(SEQ ID NO: 2634)--.

Claim 35, line 2, after “comprises” insert --(SEQ ID NO: 2635)--.

Claim 44, line 2, after “of” insert --(SEQ ID NOS 2115, 2111, 2163 & 1870, respectively, in order of appearance)--.

Claim 45, line 2, after “comprises” insert --(SEQ ID NO: 2115)--.

Claim 46, line 3, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2447)--;  
line 4, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2448)--;  
line 5, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2449)--;  
line 6, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2450)--;  
line 7, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2451)--;  
line 8, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2452)--;  
line 9, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2453)--;  
line 10, after “NH<sub>2</sub>” insert --(SEQ ID NO: 2454)--;

line 11, after "NH<sub>2</sub>" insert --(SEQ ID NO: 2455)--;  
 line 12, after the sequence ending in "vskk" insert --(SEQ ID NO: 2456)--;  
 line 13, after the sequence ending in "VSEE" insert --(SEQ ID NO: 2457)--;  
 line 14, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2458)--;  
 line 15, after the sequence ending in "SLAK" insert --(SEQ ID NO: 2459)--;  
 line 16, after the sequence ending in "ELLS" insert --(SEQ ID NO: 2460)--;  
 line 17, after the sequence ending in "LAKK" insert --(SEQ ID NO: 2461)--;  
 line 18, after the sequence ending in "SLLK" insert --(SEQ ID NO: 2462)--;  
 line 19, after the sequence ending in "LSSK" insert --(SEQ ID NO: 2463)--;  
 line 20, after the sequence ending in "KLLK" insert --(SEQ ID NO: 2464)--;  
 line 21, after the sequence ending in "KLFK" insert --(SEQ ID NO: 2465)--;  
 line 22, after the sequence ending in "LIKK" insert --(SEQ ID NO: 2466)--;  
 line 23, after the sequence ending in "LLKK" insert --(SEQ ID NO: 2467)--;  
 line 24, after the sequence ending in "ILLK" insert --(SEQ ID NO: 2468)--;  
 line 25, after the sequence ending in "QGLD" insert --(SEQ ID NO: 2469)--;  
 line 26, after the sequence ending in "(D117)" insert --(SEQ ID NO: 2470)--;  
 line 27, after the sequence ending in "MLLS" insert --(SEQ ID NO: 2471)--;  
 line 28, after the sequence ending in "-NH<sub>2</sub>)" insert --(SEQ ID NO: 2472)--;  
 line 29, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2473)--;  
 line 30, after the sequence ending in "(D117)" insert --(SEQ ID NO: 2474)--;  
 line 31, after the sequence ending in "(D117)" insert --(SEQ ID NO: 2475)--;  
 line 32, after the sequence ending in "(b-Ala-D117)" insert --(SEQ ID NO: 2476)--;  
 line 33, after the sequence ending in "(Gly-D117)" insert --(SEQ ID NO: 2477)--;  
 line 34, after the sequence ending in "(b-Ala-D117)" insert --(SEQ ID NO: 2478)--;  
 line 35, after the sequence ending in "(D117)" insert --(SEQ ID NO: 2479)--;  
 line 36, after the sequence ending in "(D117)" insert --(SEQ ID NO: 2480)--;  
 line 37, after the sequence ending in "(b-Ala-D117)" insert --(SEQ ID NO: 2481)--;  
 line 38, after the sequence ending in "(b-ala-D117)" insert --(SEQ ID NO: 2482)--;  
 line 39, after the sequence ending in "-D117)<sub>2</sub>" insert --(SEQ ID NO: 2483)--;  
 line 40, after the sequence ending in "RQVS" insert --(SEQ ID NO: 2484)--;  
 line 41, after the sequence ending in "QVSK" insert --(SEQ ID NO: 2485)--;  
 line 42, after the sequence ending in "QVSK" insert --(SEQ ID NO: 2486)--;  
 line 43, after the sequence ending in "VVSK" insert --(SEQ ID NO: 2487)--;



line 44, after the sequence ending in "FVSK" insert --(SEQ ID NO: 2488)--;  
line 45, after the sequence ending in "WFKV" insert --(SEQ ID NO: 2489)--;  
line 46, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2490)--;  
line 47, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2491)--;  
line 48, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2160)--;  
line 49, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2492)--;  
line 50, after the sequence ending in "(D117)<sub>2</sub>-12" insert --(SEQ ID NO: 2493)--;  
line 51, after the sequence ending in "-D117)<sub>2</sub>" insert --(SEQ ID NO: 2494)--;  
line 52, after the sequence ending in "-D117" insert --(SEQ ID NO: 2495)--;  
line 53, after the sequence ending in "(D117)<sub>2</sub>-14" insert --(SEQ ID NO: 2496)--;  
line 54, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2461)--;  
line 55, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2462)--;  
line 56, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2463)--;  
line 57, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2464)--;  
line 58, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2465)--;  
line 59, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2466)--;  
line 60, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2467)--;  
line 61, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2497)--;  
line 62, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2498)--;  
line 63, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2499)--;  
line 64, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2500)--;  
line 65, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2501)--;  
line 66, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2502)--;  
line 67, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2503)--;  
line 68, after the sequence ending in "Lig" insert --(SEQ ID NO: 2504)--;  
line 69, after the sequence ending in "WNCG" insert --(SEQ ID NO: 2505)--;  
line 70, after the sequence ending in "Lig" insert --(SEQ ID NO: 2506)--;  
line 71, after the sequence ending in "Lig" insert --(SEQ ID NO: 2507)--;  
line 72, after the sequence ending in "ELLS" insert --(SEQ ID NO: 2508)--;  
line 73, after the sequence ending in "Lig" insert --(SEQ ID NO: 2509)--;  
line 74, after the sequence ending in "Lig" insert --(SEQ ID NO: 2510)--;  
line 75, after the sequence ending in "Lig" insert --(SEQ ID NO: 2511)--;  
line 76, after the sequence ending in "Lig" insert --(SEQ ID NO: 2512)--;

line 77, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2513)--;  
line 78, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2514)--;  
line 79, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2515)--;  
line 80, after the sequence ending in "-Lig)<sub>2</sub>-14" insert --(SEQ ID NO: 2516)--;  
line 81, after the sequence ending in "-Lig)<sub>2</sub>-14" insert --(SEQ ID NO: 2517)--;  
line 82, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2518)--;  
line 83, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2519)--;  
line 84, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2520)--;  
line 85, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2521)--;  
line 86, after the sequence ending in "VSKK" insert --(SEQ ID NO: 2522)--;  
line 87, after the sequence ending in "YGTG" insert --(SEQ ID NO: 2523)--;  
line 88, after the sequence ending in "QCSG" insert --(SEQ ID NO: 2524)--;  
line 89, after the sequence ending in "ECPS" insert --(SEQ ID NO: 2525)--;  
line 90, after the sequence ending in "D117" insert --(SEQ ID NO: 2526)--;  
line 91, after the sequence ending in "D117)<sub>2</sub>" insert --(SEQ ID NO: 2527)--;  
line 92, after the sequence ending in "(S212)" insert --(SEQ ID NO: 2528)--;  
line 93, after the sequence ending in "(S212)" insert --(SEQ ID NO: 2529)--;  
line 94, after the sequence ending in "-14" insert --(SEQ ID NO: 2530)--;  
line 95, after the sequence ending in "-14" insert --(SEQ ID NO: 2531)--;  
line 96, after the sequence ending in "(S210)" insert --(SEQ ID NO: 2532)--;  
line 97, after the sequence ending in "AELG" insert --(SEQ ID NO: 2533)--;  
line 98, after the sequence ending in "AELG" insert --(SEQ ID NO: 2534)--;  
line 99, after the sequence ending in "AELG" insert --(SEQ ID NO: 2535)--;  
line 100, after the sequence ending in "AELG" insert --(SEQ ID NO: 2536)--;  
line 101, after the sequence ending in "AELG" insert --(SEQ ID NO: 2537)--;  
line 102, after the sequence ending in "AELG" insert --(SEQ ID NO: 2538)--;  
line 103, after the sequence ending in "AELG" insert --(SEQ ID NO: 2539)--;  
line 104, after the sequence ending in "AELG" insert --(SEQ ID NO: 2540)--;  
line 105, after the sequence ending in "AELG" insert --(SEQ ID NO: 2541)--;  
line 106, after the sequence ending in "AELG" insert --(SEQ ID NO: 2542)--;  
line 107, after the sequence ending in "Lig" insert --(SEQ ID NO: 2543)--;  
line 108, after the sequence ending in "AELG" insert --(SEQ ID NO: 2544)--;  
line 109, after the sequence ending in "(S131)" insert --(SEQ ID NO: 2545)--;

line 110, after the sequence ending in "(S209)" insert --(SEQ ID NO: 2546)--;  
 line 111, after the sequence ending in "VAEL" insert --(SEQ ID NO: 2547)--;  
 line 112, after the sequence ending in "FVAE" insert --(SEQ ID NO: 2548)--;  
 line 113, after the sequence ending in "WFVA" insert --(SEQ ID NO: 2549)--;  
 line 114, after the sequence ending in "DWFV" insert --(SEQ ID NO: 2550)--;  
 line 115, after the sequence ending in "Lig<sub>2</sub>" insert --(SEQ ID NO: 2551)--;  
 line 116, after the sequence ending in "-14" insert --(SEQ ID NO: 2552)--;  
 line 117, after the sequence ending in "AELG)" insert --(SEQ ID NO: 2553)--;  
 line 118, after the sequence ending in "-14" insert --(SEQ ID NO: 2554)--;  
 line 119, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2555)--;  
 line 120, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2172)--;  
 line 121, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2173)--;  
 line 122, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2174)--;  
 line 123, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2556)--;  
 line 124, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2557)--;  
 line 125, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2558)--;  
 line 126, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2559)--;  
 line 127, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2171)--;  
 line 128, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2560)--;  
 line 129, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2561)--;  
 line 130, after the sequence ending in "NCG)<sub>2</sub>" insert --(SEQ ID NO: 2562)--;  
 line 131, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2563)--;  
 line 132, after the sequence ending in "(S209)" insert --(SEQ ID NO: 2564)--;  
 line 133, after the sequence ending in "(S210)" insert --(SEQ ID NO: 2565)--;  
 line 134, after the sequence ending in "(S210)" insert --(SEQ ID NO: 2566)--;  
 line 135, after the sequence ending in "204" insert --(SEQ ID NO: 2567)--;  
 line 136, after the sequence ending in "S204" insert --(SEQ ID NO: 2568)--;  
 line 137, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 246)--;  
 line 138, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2569)--;  
 line 139, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2570)--;  
 line 140, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2571)--;  
 line 141, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2572)--;  
 line 142, after the sequence ending in "NH<sub>2</sub>" insert --(SEQ ID NO: 2573)--;

line 143, after the sequence ending in “NH<sub>2</sub>” insert --(SEQ ID NO: 2574)--;  
 line 144, after the sequence ending in “NH<sub>2</sub>” insert --(SEQ ID NO: 2575)--;  
 line 145, after the sequence ending in “NH<sub>2</sub>” insert --(SEQ ID NO: 2576)--;  
 line 146, after the sequence ending in “NH<sub>2</sub>” insert --(SEQ ID NO: 2577)--;  
 line 147, after the sequence ending in “NH<sub>2</sub>” insert --(SEQ ID NO: 2578)--;  
 line 148, after the sequence ending in “NH<sub>2</sub>” insert --(SEQ ID NO: 2579)--;  
 line 149, after the sequence ending in “-7” insert --(SEQ ID NO: 2580)--;  
 line 150, after the sequence ending in “-9” insert --(SEQ ID NO: 2581)--;  
 line 151, after the sequence ending in “-12” insert --(SEQ ID NO: 2582)--;  
 line 152, after the sequence ending in “-13” insert --(SEQ ID NO: 2583)--;  
 line 153, after the sequence ending in “Lig” insert --(SEQ ID NO: 2584)--;  
 line 154, after the sequence ending in “VAEL” insert --(SEQ ID NO: 2585)--;  
 line 155, after the sequence ending in “-9” insert --(SEQ ID NO: 2586)--;  
 line 156, after the sequence ending in “-9” insert --(SEQ ID NO: 2587)--;  
 line 157, after the sequence ending in “KKKK” insert --(SEQ ID NO: 2588)--;  
 line 158, after the sequence ending in “Lig” insert --(SEQ ID NO: 2589)--;  
 line 159, after the sequence ending in “-14” insert --(SEQ ID NO: 2590)--;  
 line 160, after the sequence ending in “-14” insert --(SEQ ID NO: 2591)--;  
 line 161, after the sequence ending in “E-L-L-S” insert --(SEQ ID NO: 2592)--;  
 line 162, after the sequence ending in “-Aib” insert --(SEQ ID NO: 2593)--;  
 line 163, after the sequence ending in “-Aib” insert --(SEQ ID NO: 2594)--;  
 line 164, after the sequence ending in “-Aib” insert --(SEQ ID NO: 2595)--;  
 line 165, after the sequence ending in “NH<sub>2</sub>” insert --(SEQ ID NO: 2596)--.

Claim 55, line 2, after “from” insert --(SEQ ID NOS 2416, 2417 & 2419, respectively, in order of appearance)--.

Claim 56, line 2, after “comprises” insert --(SEQ ID NO: 2416)--.

Claim 57, line 2, after “comprises” insert --(SEQ ID NO: 2419)--.

Claim 63, line 2, after “comprises” insert --(SEQ ID NOS 2379 & 2637, respectively)--.

Claim 74, line 2, after “from” insert --(SEQ ID NOS 2416, 2417& 2419, respectively, in order of appearance)--.

Claim 75, line 2, after “comprises” insert --(SEQ ID NO: 2416)--.

Claim 76, line 2, after “comprises” insert --(SEQ ID NO: 2416)--.

Claim 77, line 2, after “is” insert --(SEQ ID NO: 2419)--.

Claim 81, line 2, after “comprises” insert --(SEQ ID NO: 2379)--;  
line 2, after “or” insert --(SEQ ID NO: 2117)--.

Claim 82, line 2, after “comprises” insert --(SEQ ID NO: 2379)--.

Claim 84, line 2, after “of” insert --(SEQ ID NOS 1964, 2638, 2039, 2471, 2460, 2640, 2641 & 2469, respectively, in order of appearance)--.

Claim 85, line 2, after “sequence” insert --(SEQ ID NO: 2420)--.

Claim 121, line 1, after “sequence is” insert --(SEQ ID NO: 1509)--.

Claim 127, line 2, after “sequence is” insert --(SEQ ID NO: 1509)--.

Claim 131, line 1, after “sequence is” insert --(SEQ ID NO: 2422)--.

Claim 132, line 2, after “comprises” insert --(SEQ ID NO: 1732)--;  
line 2, after “or” insert --(SEQ ID NO: 2642)--.

Claim 137, line 2, after “comprises” insert --(SEQ ID NO: 2422)--.

Claim 138, line 2, after “comprises” insert --(SEQ ID NO: 1732)--;  
line 2, after “or” insert --(SEQ ID NO: 2642)--.

Claim 146, line 1, after “comprises” insert --(SEQ ID NO: 1735)--.

Claim 154, line 2, after “comprises” insert --(SEQ ID NO: 1735)--.

Claim 164, line 1, after “sequence is” insert --(SEQ ID NO: 2424)--.

Claim 165, line 2, after “of” insert --(SEQ ID NOS 1869, 2643, 2644, 2645, 2645, 2646 & 2647, respectively, in order of appearance)--.

Claim 173, line 2, after “is” insert --(SEQ ID NO: 2424)--.

Claim 174, line 2, after “of” insert --(SEQ ID NOS 1869, 2643, 2644, 2645, 2645, 2646, 2647, respectively)--.

Claim 178, line 2, after “comprises” insert --(SEQ ID NO: 2425)--.

Claim 186, line 1, after “comprises” insert --(SEQ ID NO: 1874)--.

Claim 190, line 2, after “comprises” insert --(SEQ ID NO: 2425)--.

Claim 198, line 1, after “comprising” insert --(SEQ ID NO: 1874)--.

Claim 199, line 3, after “comprising” insert --(SEQ ID NO: 2152)--.

Claim 201, line 1, after “comprising” insert --(SEQ ID NO: 2152)--.

Claim 208, line 2, after “comprises” insert --(SEQ ID NO: 2415)--.

Claim 210, line 2, after “comprises” insert --(SEQ ID NO: 2416)--.

Claim 212, line 2, after “comprises” insert --(SEQ ID NO: 2648)--.

Claim 219, line 2, after “of” insert --(SEQ ID NOS 2649, 2619, 2620, 2621, 2627, 2628, 2629, 2630 & 2631, respectively, in order of appearance)--.

Claim 221, line 3, after “of” insert --(SEQ ID NOS 2411, 2412, 2635, 2115, 2111, 2163 & 1870, respectively, in order of appearance)--.

Claim 222, line 3, after “of” insert --(SEQ ID NOS 2116 & 2117, respectively)--.

Claim 223, line 3, after “of” insert --(SEQ ID NOS 1964, 2638, 2639, 2471, 2460, 2640, 2641 & 2650, respectively, in order of appearance)--.

Claim 225, line 2, after “sequence” insert --(SEQ ID NO: 2411)--.

Claim 226, line 2, after “sequence” insert --(SEQ ID NO: 2112)--.

Claim 227, line 2, after “sequence” insert --(SEQ ID NO: 2651)--.

Claim 228, line 2, after “sequence” insert --(SEQ ID NO: 2452)--.

Claim 231, line 2, after “sequence” insert --(SEQ ID NO: 2435)--.

Claim 232, line 2, after “sequence” insert --(SEQ ID NO: 2653)--.

Claim 234, line 2, after “sequence” insert --(SEQ ID NO: 2411)--.

Claim 235, line 2, after “sequence” insert --(SEQ ID NO: 2651)--.

Claim 252, line 1, after “sequence” insert --(SEQ ID NO: 2414)--.